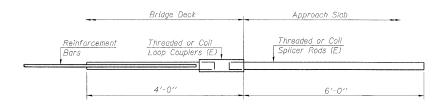
** ONE PIECE - Wire Connector WELDED SECTIONS

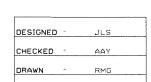
BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuls conforming to ASTM A 563, Grade C, D or DH may be used.



FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

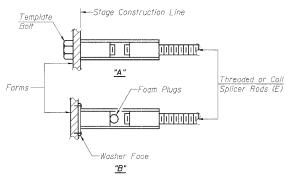
Bar Splicer for #5 bar					
Min.	Capacity	= 23.0 k	cips - t	ension	
Min.	Pull-out	Strength	= 12.3	kips -	tension



CHECKED -

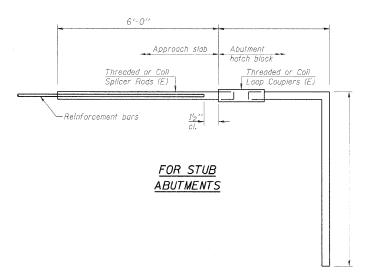
AAY BSD-1

10 - 1 - 08



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nalling to wood forms or cementing to steel forms. (E): Indicates epoxy coating.



Min.	Capacity	= 23.0	kips -	tension	
Min.	Pull-out	Strenath	= 12.3	kips -	tension

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for

reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

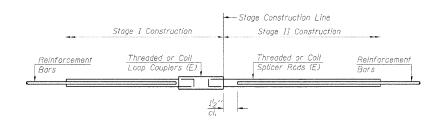
Minimum Capacity

(Tension in kips)

Where fy = Yield strength of lapped reinforcement bars.

* 2 8 day concrete*

	BAR SPLIC	ER ASSEMBLI	ES		
n c: /	Splicer Rod or Dowel Bar Length	Strength Requirements			
			Min, Pull-Out Strength kips - tension		
#4	1'-8''	14.7	7.9		
#5	2'-2"	23.0	12.3		
#6	2'-7''	33.1	17,4		
#7	3'-5"	45.1	23.8		
#8	4'-6''	58.9	31.3		
#9	5′-9′′	75.0	39.6		
#10	7′-3′′	95.0	50.3		
#11	9'-0''	117.4	61.8		



STANDARD

Bar Size	No. Assemblies Required	Location
#5	16	Deck
#6	6	Deck

BAR SPLICER ASSEMBLY DETAILS STRUCTURE NO. 022-0104

alfred benesch & company benesch Surveyors - Planners 205 North Michigan Avenue, Sulte 2400 Chicago, Illinois 60601 Job No. 10050

SHEET NO. 8	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290 355	22(1, 1-1, 2&3)RS-7	DUPAGE	546	357
8 SHEETS			CONTRACT	NO. 60	G51
	FED. RO	AD DIST. NO. ILLINOIS FED. A	ID PROJECT		

ts_contract_1\SN_022_0095_0104_Addison_Rd\0104-60G51-008